

# CASE STUDY | Versatile wastewater system saves CA Aerospace manufacturer money

## Taking bigger steps to leave a smaller footprint

A southern California-based aerospace manufacturer had an evaporator-based wastewater treatment system that was too costly and less effective than it needed to be. Rather than using pretreatment with automation prior to evaporation, all wastewater was originally being sent directly to the evaporator.



### CHALLENGES

A California aerospace manufacturer was paying too much for a less effective wastewater solution.

1. Evaporation without pretreatment required too much energy
2. TSS built up within the evaporator created a week of downtime every month
3. Cleaning required additional labor, reducing available workforce and flexibility
4. Sludge removal costs were too high
5. An efficient means of cadmium cyanide destruction was needed

### SOLUTION

**MacDermid Envio Solutions** saw that simply sending wastewater to the evaporator was not an efficient practice.

- Optimized the evaporator with better feed water
- Established an innovative multi-step process
- Implemented ion exchange for water recycle and batch treatment for solids removal

### RESULTS

With **MacDermid Envio Solutions**, the aerospace manufacturer:

- Ensures wastewater is now clean enough for effective evaporation
- Expects to reduce O&M costs by 25 to 30 percent
- Makes the evaporator more effective and less costly
- Focuses more time and money on its operations and less on its wastewater solutions

Ask us about



See our web site for more details  
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